

2002P18239WOUS/  
PCT/DE2003/003461

- 8 -

JC20 Rec'd PCT/PTO 13 MAY 2005

Patent claims

1. A contact piece of a contact arrangement for the purpose of interrupting a current in a distribution system having a  
5 contact carrier (8) which has a hollow-cylindrical wall section (9) and a base wall (10) and having a contact disk (1) which lies opposite the base wall (10) in a longitudinal direction, slots (2) being provided for the purpose of producing a magnetic field,  
10 characterized in that the rims of the slots (2) have rounded-off edges (3) having a defined radius.

2. The contact piece as claimed in claim 1,  
15 characterized in that the radius  $R$  is set as a function of the voltage of the distribution system  $U$  in accordance with the rule on dimensions:

$$R \geq 2 \cdot 10^{-4} \cdot U^2 + 8.5 \cdot 10^{-3} \cdot U + 0.34,$$

20 where  $U$  has the unit kilovolts and  $R$  has the unit millimeters.

3. The contact piece as claimed in claim 1 or 2,  
characterized in that the slots (2) have slot ends (4) in the form of a rounded hole  
25 (5, 6).

4. The contact piece as claimed in claim 3,  
characterized in that the diameter of the rounded hole (6) is in the region of a slot  
30 width of the slots (2).

5. The contact piece as claimed in either of claims 1 and 2,  
characterized in that

the slots (2) have rectangular slot ends (7).

6. The contact piece as claimed in one of the preceding claims,

5 characterized in that

the slots (2) are provided in the wall section (9) and are inclined with respect to the longitudinal direction.

7. The contact piece as claimed in one of the preceding claims,

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characterized in that

the slots (2) are formed in the contact disk (1).

8. The contact piece as claimed in one of the preceding claims,

15

characterized in that

the slots (2) are provided in the base wall (10).